

# WOMEN'S SAFETY SYSTEM BY VOICE RECOGNITION

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**Abstract**—In today's world Victimization sensible phones having multiplied chop-chop and thence sensible phone may be used expeditiously for private security. A bunch of latest apps are developed to produce a security system to girls via their phones. per the reports of World Health Organization NCRB Social Government Organization thirty-fifth girls everywhere the planet square measure facing a great deal of unethical Physical Harassment publicly places like Railways, Bus- stands and pathway, etc. during this Paper, we've got reviewed of assorted existing systems on women security. we've got fade a requirement of advanced girls security system to provides the safety live publicly places likewise as travelling alone through public transports such as college Buses, Company Vehicles etc. This paper projected a brand new model for the women security publicly places that aims to produce the 100% safe setting. Hence, GSM is most popularly-liked} for this mode of dominant in this application we square measure maintaining a switch. We offer numerous varieties of ways to access the appliance and work properly. We'll provide permissions in it to access the web and track the present location of the user and send it to REGISTERED Contacts. First of all, users got to fill their info within the application and that they will edit their info anytime. We have a tendency to use this application by voice or by a shake or by click and this application have an extra issue that's sound recording module which might be used as proof. If Voice Recognition doesn't work properly then mechanically another process can begin (shake or click). We have a tendency to add most 5 members in it to elicit facilitate

before that application has got to notice the closest station house and send ALERT messages of them.

## I. INTRODUCTION (HEADING 1)

Ladies security is a significant issue in India just as other isn't safe for ladies to travel forlorn at 12 PM or pondering an obscure spot. There ought to help hand for ladies since they are not physically solid as men. As this time cell phone can be the closest companion of client and client can remain in contact with their cherished one whenever. Anyone needs to make a call or communicate something specific in crisis at whenever from anywhere. Smart telephones give numerous offices and extremely less web cost countries.

It Android is furnished with highlights like high goals camera, WI-FI, GPS, route, contact screen, which assists the cell phone clients with keeping in contact with the present-day world. Android is the product stack for cell phones. it incorporates a working framework, key applications and middleware. The Android SDK gives the instruments and APIs used to create applications on the Android stage utilizing the java programming language. it is a product stage, as opposed to only an Operating System, that can possibly be used in a lot more extensive scope of devices. Android gives access to help libraries and devices that utilized form rich applications.

Ladies in crisis use voice-based contact list, they can work the application through voice and make the call when required. For that client need to recall enrolled the key.

It's scaled, content informing administration segment of the telephone, and uses institutionalize interchanges conventions. It permits sending short instant messages between cell phone gadgets. Voice acknowledgement is the fundamental procedure of this application.

## II. EXISTING SYSTEM

Having this concern in mind many developers have return up with intensive applications. Varieties of such applications are: Codes like \*91# is used to supply emergency services, which may alert police management. The free mobile application 'Help conifer State on mobile' to create certain the protection of women was launched to assist people that would really like emergency. These applications would really like one click to try to this task. However once a lady is in trouble, there's a time that the woman is not capable of taking the phone and pressing button.

A. SHE (Society Harnessing Equipment): It is a garment embedded with Associate during a nursing device. This garment has associate degree Associate during a nursing circuit that may generate 3800kV could|which can} facilitate the victim to escape. Simply just in case of multiple attacks it'll pass around eighty electrical shocks [3].

B. ILA security: The co-founders of this system have designed three personal alarms that will shock and fox potential attackers and therefore safeguard the victim from precarious things.

C. AHS (Advanced physical science System for Human Safety): It's a tool that helps track the location of the victim once attacked victimization GPS facility.

D. VithU app: this is {often|this can be} often associates in nursing emergency app initiated by a preferred Indian crime TV series "Gumrah" ethereal on Channel [V]. Once the flexibility button of the Smartphone is ironed double consecutively, it begins feat alert messages with a link of the location of the user each two minutes to the contacts.

The most drawbacks of these applications and services are that the initial action ought to be triggered by the victim that frequently during a state of affairs like these doesn't happen. That the stress is to create a solution that works autonomously in things encountered.

## III. METHODOLOGY

The framework includes segments which depict a fast-reacting cost insurance framework for an individual and particularly for ladies utilizing which a lady in trouble can call for assistance just with set a watchword and subsequent to talking

the catchphrase the application will get dynamic. Self-protection framework for ladies security resembles a keen application for ladies. It can assist ladies with advancements.

### Algorithm:

*Step 1:* START

*Step 2:* User Registration

Then fill all required fields

a) Personal Details

b) Contact Details

c) Voice and Keyword setup

*Step 3:* Log In

If (New User)

Then go to Step 2

Enter user name and password

If (Field is empty)

Then throw warning

If (Field is not valid)

Then throw warning

If (matches)

Open the home page and start the session

Switch (option)

If (method1==" working")

Then proceed to execution

Else if (method2==" working")

Then proceed to execution

Else

Start working by method3

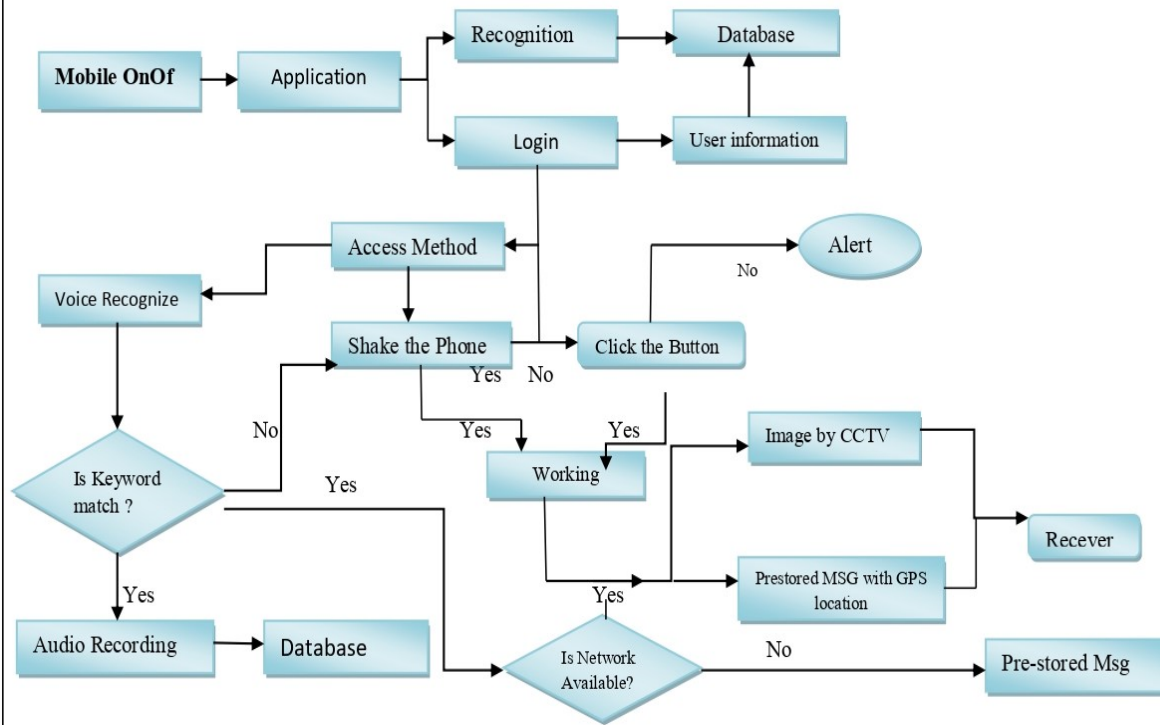
*Step 4:* If (location has CCTV cameras)

Then the image will be added to pre-stored messages.

*Step 5:* After that, it will generate the location and sends it to registered contacts along with pre-stored messages.

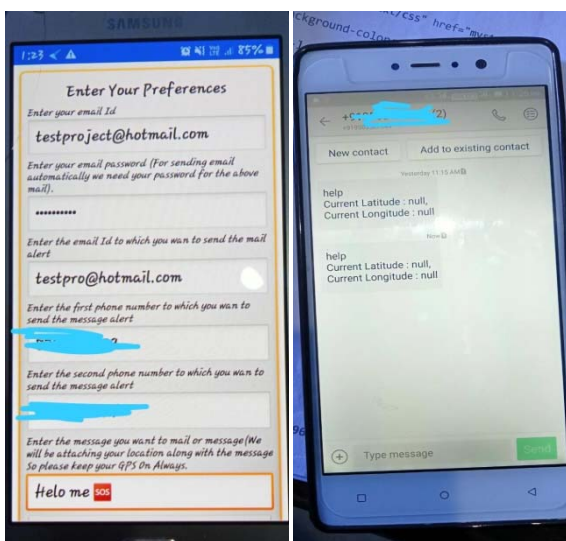
*Step 6:* END

## FLOWCHART OR WORKING



What we had to know in this task is the way to compute the recurrence to test discourse dependent on the NYQUIST rate theorem. According to this hypothesis, the inspecting rate must be at any rate double the greatest recurrence of the example unit. We needed to find out about CHEBYSHEV channels to decide the cutoff frequencies to assemble the computerized channels for a human voice. Concerning the investigation part of the discourse, we had to realize how to compute Euclidean separation and connection. Tore's discourse acknowledgement calculation is the mind-boggling calculation for voice acknowledgement, which uses the previously mentioned ideas and calculations.

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and simultaneously the sound chronicle module will start working.

*The location follows and addresses discovering module:* It requires GPS empowered mobile. The location will be followed utilizing GPS and WI-FI. it finds the longitude and mentality of the current area of the client. Utilizing longitude and scope area is looked and the real address is given by means of a message. The Internet is must be available on mobile. GPS debilitate framework won't locate the accurate area of the client; it will simply send the longitude and scope of the area.

*Message sending module:* The GPD Application Program Interface (API) gets the longitude and scope coordinates. Utilizing this genuine tended to is Looked, pre-put away crisis message is sent to enrolled contact number alongside the longitude and scope. on the off chance that the system isn't accessible on clients portable, at that pointed message goes in line and when the system is accessible message will be sent to the enrolled numbers.

*Audio recording module:* Sound chronicle module records the discussion of that circumstance and put it away in the database. As soon as the framework will perceive voice it will send a message and all the while performing a sound account.

Following are the modules which we have to achieve our framework are as per the following:

*Database:* It incorporates the contact number and voice keyword. User enrolled a contact rundown of individuals to whom client needs to request help and watchword or voice is put something aside for acknowledgement reason. Database put away in portable memory. Database utilized is MySQL having JDBC (java database network). There ought to be in any event three and at max five Contact.

*Voice Acknowledgment:* Voice Acknowledgment module is utilized perceived watchword spoken by the client. Catchphrase spoken by the unfortunate casualty is coordinated with the enrolled watchword in the event that this watchword matches the enlisted catchphrase, at that point, the application is started and the message will be sent to the enlisted catchphrase

*Mobile more alert (use clock):* It encourages us to tell the low battery alert at whatever point clients versatile charging diminishes underneath 30% then it gives alert. Leading all Clients has a sign-in page with the enrollment process. Client needs to fill their Data; Client can alter their data at any time. There are three techniques for access the application "press the catch", "shake the telephone", and "voice acknowledgment" in the event that voice acknowledgment doesn't work appropriately, at that point and after that lone it hops on other two strategies.

#### IV. CONCLUSION

Our exertion behind this task is to structure and create an android application which is accessible to give the favorable position of the individual security system. This configuration will manage a large portion of the basic issues looked by ladies and help them to be secure. The proposition component gives the voice-based access the application and finds the area of the

individual as far as longitude and scope which can be followed utilizing Google maps. This framework diminishes the wrongdoing rate against ladies. Ladies security is a basic issue in the current situation. These violations can be finished with the assistance of the continuous usage of our proposed framework.

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